



# Modelling and Parameter Estimation of Dynamic Systems (Iee Control Engineering)

By J.R. Raol, G. Girija, J. Singh



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*Modeling and Systems Parameter Estimation for Dynamic Systems* presents a detailed examination of the estimation techniques and modeling problems. The theory is furnished with several illustrations and computer programs to promote better understanding of system modeling and parameter estimation. The material is presented in a way that makes for easy reading and enables the user to implement and execute the programs himself to gain first hand experience of the estimation process.

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#### Review

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#### About the Author

J.R. Raol is a senior scientist with National Aerospace Laboratories (LAB). His research interests include multi-sensor data fusion, parameter estimation and artificial intelligence. Dr. Raol is the author of 100 papers and publications, and is a senior member of the IEEE, a life fellow of the Aeronautical Society of India, and a life member of the System Society of India. He has B.E. and M.E. degrees in Electrical Engineering from M.S. University in Baroda, and a Ph.D. from McMaster University, Canada.

G. Girija is a senior scientist with National Aerospace Laboratories (LAB). Her research areas are parameter estimation of aerospace vehicles and multi sensor data fusion. Dr. Girija is the author of 50 papers and publications, and is a life member of the Aeronautical Society of India. She received an M.Sc. and Ph.D. from Bangalore University.

J. Singh is a scientist with National Aerospace Laboratories (LAB). His research areas are aircraft modelling and parameter estimation. Dr. Singh has worked as a guest scientist at DLR-Institute for Flight Systems, Germany, and is a senior member of the AIAA and a life member of the Aeronautical Society of India and the System Society of India. He has a Ph.D. in Aerospace Engineering from IIT Kanpur.

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